

ABSTRACT

A process and an apparatus for treating exhaust gases, comprising an aeration stirring tank (5) employing an aqueous alkaline liquid, and a gas-liquid contact device (7) and/or a packed column (11). The apparatus can remove at a posterior stage harmful gases failed to be removed by the aeration stirring tank, for example, water-soluble organic compounds such as ethanol, halogenated silicon compounds such as SiCl_4 , and halogen gases such as F_2 and Cl_2 . It is particularly suitable for purifying exhaust gases discharged from a semiconductor production device.